

Human Collagen Type I Alpha 1 (COL1a1) ELISA Kit | COL1a1 elisa kit

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CATALOG #
AAA139403

REACTIVITY
Human

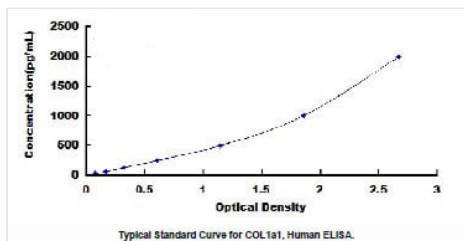
PRODUCT SYNONYMS

Collagen Type I Alpha 1 (COL1a1); Human Collagen Type I Alpha 1 (COL1a1) ELISA Kit; COL-1A1; COL1-A1; COL1A-1; OI4; Collagen Alpha-1(I)chain; COL1a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL1a1. No significant cross-reactivity or interference between COL1a1 and analogues was observed.
Sequence Length	1,069
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL1a1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL1a1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for
COL1a1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL1a1 in human serum, plasma and other biological fluids..

NCBI AND UNIPROT INFORMATION

NCBI GI #	1888409
UniProt Accession #	Q6LAN8
Molecular Weight	97,445 Da
NCBI Official Full Name	collagen type I alpha 1, partial
UniProt Protein Name	Collagen type I alpha 1
UniProt Gene Name	COL1A1
UniProt Entry Name	Q6LAN8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/collagen-type-i-alpha-1-col1a1/139403>